



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**RB6872927**  
**Job Sheet 196875**



**Part No:** RB6872927

**Job Qty:** 2 pcs

**Part Name:** Reduction Gear Flanged Stud Wrench



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 6/24/19

**Job Tracking No:**

**Due Date:** 7/29/19

**Created By:** Kimberley Guerin

**Type:** Stock

**Description:**

**Note:** DWG RB6872927 Rev 0 IPP Rev. A 19.06.18 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off    |
|-------|-------------------------------|-------|------------|----------|-----------|---------|------------------------|-----------|-------------|
|       |                               |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |             |
| 100   | Purchasing                    | 2 pcs | 7/29/19    | 7/29/19  | 0.00      | 0.00    | Purchasing - 1         |           | JUL 31 2019 |
|       |                               |       |            |          |           |         | Purchasing - 2         |           |             |
|       |                               |       |            |          |           |         | Purchasing - 3         |           |             |
| 110   | Packaging 2-1 - Receive - B4B | 2 pcs | 7/29/19    | 7/29/19  | 0.00      | 0.00    | Packaging 2 - 1 - B4B  |           | JUL 31 2019 |
|       |                               |       |            |          |           |         | Packaging 2 - 2 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 3 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 5 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 4 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 6 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 7 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 8 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 9 - B4B  |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 10 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 11 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 12 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 13 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 14 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 15 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 16 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 17 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 18 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 19 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 20 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 21 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 22 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 23 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 24 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 25 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 26 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 27 - B4B |           |             |
|       |                               |       |            |          |           |         | Packaging 2 - 28 - B4B |           |             |



**Container No:** S201826



**Part:** RB6872927

**Job No:** 196875

**Serial No/Batch:** S201826

**Revision:** 0

**Inspector:**

**Exp Date:**

**Instructions:**

Dart Aerospace Ltd.  
1270 Aberdeen Street  
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TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 07/31/19

Plex 6/24/19 9:22 AM Dart.Guerin.Kimberley

|                                 |       |         |           |  |                        |             |
|---------------------------------|-------|---------|-----------|--|------------------------|-------------|
|                                 |       |         |           |  | Packaging 2 - 29 - B4B |             |
|                                 |       |         |           |  | Packaging 2 - 30 - B4B |             |
|                                 |       |         |           |  | Packaging 2 - 31 - B4B |             |
|                                 |       |         |           |  | Packaging 2 - 32 - B4B |             |
|                                 |       |         |           |  | Packaging 2 - 33 - B4B |             |
|                                 |       |         |           |  | Packaging 2 - 34 - B4B |             |
|                                 |       |         |           |  | Packaging 2 - 35 - B4B |             |
|                                 |       |         |           |  | Packaging 2 - 36 - B4B |             |
| 120 QC 6                        | 2 pcs | 7/29/19 | 0.00 0.00 |  | QC 6 - 9               | DAS 81 9-89 |
|                                 |       |         |           |  | QC 6 - 68              |             |
|                                 |       |         |           |  | QC 6 - 61              |             |
|                                 |       |         |           |  | QC 6 - 40              |             |
| 130 Packaging 3-1 - Stock - B4B | 2 pcs | 7/29/19 | 0.00 0.00 |  | Packaging 3 - 1 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 2 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 3 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 4 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 5 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 6 - B4B  | DAS 28 9-89 |
|                                 |       |         |           |  | Packaging 3 - 7 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 8 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 9 - B4B  |             |
|                                 |       |         |           |  | Packaging 3 - 10 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 11 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 12 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 13 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 14 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 15 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 16 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 17 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 18 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 19 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 20 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 21 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 22 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 23 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 24 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 25 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 26 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 27 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 28 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 29 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 30 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 31 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 32 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 33 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 34 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 35 - B4B |             |
|                                 |       |         |           |  | Packaging 3 - 36 - B4B |             |
| 140 QC 21 - FG                  | 2 pcs | 7/29/19 | 0.00 0.00 |  | QC 21 - FG - 21        | DAS 21 9-89 |
|                                 |       |         |           |  | QC 21 - FG - 70        |             |
|                                 |       |         |           |  | QC 21 - FG - 53        |             |

Part Op 100 - Issue P/O to ARROW TECH MACHINE WORKS ; P/O \_\_\_\_\_ -Manufacture RB6872927 as per DWG. -  
 Descriptions: Certificate of Conformity is required  
 110 - Certificate of Conformity is required

## Job BOM

| Part / Item | Component Name                | Quantity     | Operation      | Container |
|-------------|-------------------------------|--------------|----------------|-----------|
| RB6872927P  | RED. GEAR FLANGED STUD WRENCH | 2 pcs (1 ea) | 100-Purchasing | 5201825   |

| Job Allocations                    |                |          |           |           |
|------------------------------------|----------------|----------|-----------|-----------|
| Operation                          | Component Part | Required | Inventory | Allocated |
| 100-Purchasing                     | RB6872927P     | 2        | 0         | 0         |
| Part Specifications                |                |          |           |           |
| Specifications could not be found. |                |          |           |           |

Plex 6/24/19 9:22 AM Dart.Guerin.Kimberley





Dart Aerospace Ltd.  
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# PURCHASE ORDER POHB043785



**Supplier:** ARR002-VU  
Arrow Tech Machine Works  
29751 E. Enid Road,  
Unit C  
Eugene, OR 97402 USA  
Phone: 541-780-6938  
Fax: 458-215-4938

**Attention:** , Ana  
(541) 780-6938

**Ship To:**

**PO No:** POHB043785

**PO Date:** 6/19/19

**Due Date:** 7/29/19

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Phone:

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:**

## Items

| Line Item | Job    | Part        | Supplier Part No | Item No | Description                              | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|-----------|--------|-------------|------------------|---------|------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1         | 196847 | RB6872201P  |                  |         | Prop Flange Puller                       | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$2,048.20/Ea    | \$2,048.20     |
| 2         | 196848 | RB6891198P  |                  |         | Wrench                                   | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$1,441.15/Ea    | \$1,441.15     |
| 3         | 196849 | RB6796966P  | RB6796966P       |         | RET. RING, FUEL CTR. DR. PLIER           | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$827.00/Ea      | \$1,654.00     |
| 4         | 196851 | RB6795614P  |                  |         | Puller/Pusher Idler Gear Support Shaft   | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$538.00/Ea      | \$1,076.00     |
| 5         | 196852 | RB6795984P  |                  |         | Power Turbine Holder Shaft               | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$721.00/Ea      | \$1,442.00     |
| 6         | 196853 | RB6872550P  |                  |         | Compressor Rotor Coupler Adapter Holder  | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$1,063.00/Ea    | \$2,126.00     |
| 7         | 196854 | RB23033037P |                  |         | Holder Compressor Rotor Coupling Adapter | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$1,408.85/Ea    | \$1,408.85     |
| 8         | 196855 | RB6798981P  |                  |         | Prop Shaft Splined Adapter               | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$1,207.45/Ea    | \$1,207.45     |
| 9         | 196856 | RB6795644P  |                  |         | Bearing Nut Wrench                       | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$1,387.95/Ea    | \$1,387.95     |



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# PURCHASE ORDER POHB043785



## Items

| Line Item | Job    | Part        | Supplier Part No | Item No | Description                                         | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|-----------|--------|-------------|------------------|---------|-----------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 10        | 196857 | RB6795588P  |                  |         | Wrench-Holding, 32/64 Pitch 24 Tooth Spline         | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$910.00/Ea      | \$1,820.00     |
| 11        | 196858 | RB23005022P | RB23005022P      |         | INR. PWR. TURB. SHFT. MANDREL                       | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$1,645.40/Ea    | \$1,645.40     |
| 12        | 196859 | RB6795637P  |                  |         | Adapter                                             | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$894.00/Ea      | \$1,788.00     |
| 13        | 196860 | RB6895528P  |                  |         | Rear Compressor Bearing Pusher                      | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$772.35/Ea      | \$772.35       |
| 14        | 196861 | RB6796949P  |                  |         | Accessory Gear Box Bearings Installation Drift      | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$292.00/Ea      | \$584.00       |
| 15        | 196862 | RB6796948P  |                  |         | Drift Install/Removal Accessories Gear Box          | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$310.00/Ea      | \$620.00       |
| 16        | 196863 | RB6872881P  | RB6872881P       |         | COMPR MTG INSERT WRENCH                             | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$327.00/Ea      | \$654.00       |
| 17        | 196864 | RB6798986P  |                  |         | Prop Shaft Bearing Puller Plate                     | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$720.10/Ea      | \$720.10       |
| 18        | 196866 | RB6798983P  |                  |         | Prop Shaft Assembly Drift                           | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$209.00/Ea      | \$209.00       |
| 19        | 196867 | RB6796946P  |                  |         | Install & Removal Accessory Gear Box Bearings Drift | Firmed | -       | 7/29/19  | 2 Ea           | 0 Ea              | 2 Ea    | \$353.00/Ea      | \$706.00       |
| 20        | 196868 | RB6795990P  |                  |         | Dummy Bearing Power Turbine Shaft Front             | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$304.00/Ea      | \$304.00       |
| 21        | 196869 | RB6795993P  |                  |         | Joining And Separating, Power                       | Firmed | -       | 7/29/19  | 1 Ea           | 0 Ea              | 1 Ea    | \$389.50/Ea      | \$389.50       |





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# PURCHASE ORDER POHB043785



## Items

| Line Item | Job    | Part        | Supplier Part No | Item No | Description                                              | Status | Account | Due Date    | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|-----------|--------|-------------|------------------|---------|----------------------------------------------------------|--------|---------|-------------|----------------|-------------------|---------|------------------|----------------|
| 22        | 196870 | RB23034275P |                  |         | Adapter Pilot Rear Compressor Bearing Puller             | Firmed | -       | 7/29/19     | 1 Ea           | 0 Ea              | 1 Ea    | \$340.00/Ea      | \$340.00       |
|           |        |             |                  |         |                                                          |        | 1 x     | JUL 30 2019 |                |                   |         |                  |                |
| 23        | 196871 | RB6798980P  |                  |         | Shaft Spanner Nut Wrench                                 | Firmed | -       | 7/29/19     | 1 Ea           | 0 Ea              | 1 Ea    | \$1,479.15/Ea    | \$1,479.15     |
|           |        |             |                  |         |                                                          |        | 1 x     | JUL 30 2019 |                |                   |         |                  |                |
| 24        | 196872 | RB6798845P  |                  |         | Turbine 2Nd Stage Spline Adapter                         | Firmed | -       | 7/29/19     | 1 Ea           | 0 Ea              | 1 Ea    | \$1,038.35/Ea    | \$1,038.35     |
|           |        |             | PS               |         |                                                          |        | 1 x     | JUL 30 2019 |                |                   |         |                  |                |
| 25        | 196873 | RB6872746P  |                  |         | Puller, Power Train Drive Gear Bearing                   | Firmed | -       | 7/29/19     | 2 Ea           | 0 Ea              | 2 Ea    | \$1,950.00/Ea    | \$3,900.00     |
| 26        | 196874 | RB6893361P  |                  |         | Power Turbine Coupling Inner Race Puller                 | Firmed | -       | 7/29/19     | 1 Ea           | 0 Ea              | 1 Ea    | \$1,071.60/Ea    | \$1,071.60     |
| 27        | 196875 | RB6872927P  | RB6872927P       |         | RED. GEAR FLANGED STUD WRENCH                            | Firmed | -       | 7/29/19     | 2 Ea           | 0 Ea              | 2 Ea    | \$340.64/Ea      | \$681.28       |
|           |        |             |                  |         |                                                          |        | 2 x     | JUL 30 2019 |                |                   |         |                  |                |
| 28        | 196876 | RB6872477P  |                  |         | Spanner Power Turbine Coupling Inner Nut Wrench          | Firmed | -       | 7/29/19     | 1 Ea           | 0 Ea              | 1 Ea    | \$579.50/Ea      | \$579.50       |
|           |        |             | PS-              |         |                                                          |        | 1 x     | JUL 30 2019 |                |                   |         |                  |                |
| 29        | 196877 | RB6872202P  |                  |         | Prop Shaft Support Fixture                               | Firmed | -       | 7/29/19     | 1 Ea           | 0 Ea              | 1 Ea    | \$503.50/Ea      | \$503.50       |
|           |        |             |                  |         |                                                          |        | 1 x     | JUL 30 2019 |                |                   |         |                  |                |
| 30        | 196878 | RB6795597P  |                  |         | Spanner Wrench                                           | Firmed | -       | 7/29/19     | 2 Ea           | 0 Ea              | 2 Ea    | \$649.00/Ea      | \$1,298.00     |
| 31        | 196882 | RB6796941P  |                  |         | Seals Replacement, Accessories Gear Box                  | Firmed | -       | 7/29/19     | 2 Ea           | 0 Ea              | 2 Ea    | \$4,053.00/Ea    | \$8,106.00     |
|           |        |             | PS.              |         |                                                          |        | 2 x     | JUL 30 2019 |                |                   |         |                  |                |
| 32        | 196883 | RB6798838P  |                  |         | Gas Producer Turbine Tie Bolt                            | Firmed | -       | 8/16/19     | 2 Ea           | 0 Ea              | 2 Ea    | \$691.00/Ea      | \$1,382.00     |
| 33        | 196884 | RB6796918P  |                  |         | Install Turbine & Exh Colct Support Oil Bellows Seal Dft | Firmed | -       | 8/16/19     | 2 Ea           | 0 Ea              | 2 Ea    | \$877.00/Ea      | \$1,754.00     |



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# PURCHASE ORDER POHB043785



## Items

| Line Item    | Job    | Part         | Supplier Part No | Item No | Description                                                      | Status | Account | Due Date        | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|--------------|--------|--------------|------------------|---------|------------------------------------------------------------------|--------|---------|-----------------|----------------|-------------------|---------|------------------|----------------|
| 34           | 196885 | RB6795594P   |                  |         | Fixture-Assembly, Compressor Rotor                               | Firmed | -       | 8/16/19         | 1 Ea           | 0 Ea              | 1 Ea    | \$1,519.00/Ea    | \$1,519.00     |
|              |        |              |                  |         |                                                                  |        |         | 1 X JUL 30 2019 |                |                   |         |                  |                |
| 35           | 196886 | RB23033029P  |                  |         | Fixture Alignment Compressor Rotor Front                         | Firmed | -       | 8/16/19         | 1 Ea           | 0 Ea              | 1 Ea    | \$3,962.50/Ea    | \$3,962.50     |
| 36           | 196887 | RB6895995-4P |                  |         | Fixture-Alignment Compressor Rotor (2 Piece)                     | Firmed | -       | 8/16/19         | 1 Ea           | 0 Ea              | 1 Ea    | \$347.70/Ea      | \$347.70       |
| 37           | 196888 | RB6887819P   |                  |         | Gas Producer & Power Turbine Supports Bearing Bore Checking Fixt | Firmed | -       | 8/16/19         | 1 Ea           | 0 Ea              | 1 Ea    | \$1,711.34/Ea    | \$1,711.34     |
| 38           | 196889 | RB6872162P   |                  |         | Sump Assembly Pressure Test Fixture                              | Firmed | -       | 8/16/19         | 1 Ea           | 0 Ea              | 1 Ea    | \$928.62/Ea      | \$928.62       |
| 39           | 196890 | RB6798925P   |                  |         | Gas Producer 2Nd Stage Wheel Locknut Crimper                     | Firmed | -       | 8/16/19         | 2 Ea           | 0 Ea              | 2 Ea    | \$1,410.00/Ea    | \$2,820.00     |
| 40           | 196895 | RB6872880P   |                  |         | Compressor Mounting Inserts Checking Fixture                     | Firmed | -       | 8/16/19         | 2 Ea           | 0 Ea              | 2 Ea    | \$1,905.00/Ea    | \$3,810.00     |
| 41           | 196892 | RB6796930P   |                  |         | Accessory Gear Box Install Plate                                 | Firmed | -       | 8/16/19         | 2 Ea           | 0 Ea              | 2 Ea    | \$841.00/Ea      | \$1,682.00     |
| 42           | 196893 | RB23006778P  | RB23006778P      |         | GUIDE SPUR ADAPTER GEAR SHAFT                                    | Firmed | -       | 8/16/19         | 3 Ea           | 0 Ea              | 3 Ea    | \$427.00/Ea      | \$1,281.00     |
|              |        |              | PS               |         |                                                                  |        |         | 3 X JUL 30 2019 |                |                   |         |                  |                |
| Grand Total: |        |              |                  |         |                                                                  |        |         |                 |                |                   |         | \$64,199.49      |                |





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## PURCHASE ORDER POHB043785



### Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

#### Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

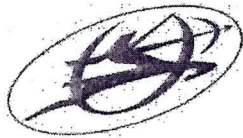
A049 SUPPLIER AWARENESS

Plex 7/30/19 3:41 PM dart.belanger.natasha



MASTER AB# 8128 4801 7350

6102 0 E 700



PHGE Machineworks dba  
Arrowtech Machineworks  
29751 E Enid Rd.  
Eugene, Oregon 97402  
Phone: (541) 780-6937  
Fax: (458) 215-4938

## COMMERCIAL INVOICE

No: 636  
PAGE: 1 OF 2

Date: 7/27/2019  
PO Ref: HB043785 ✓  
Ship via: FEDEX  
Customer No: 17

### SHIP TO ADDRESS:

Dart Aerospace  
1270 Aberdeen St.  
Hawksbury, ON  
CANADA, K6A1K7  
Phone: (613) 632-5200

This shipment does not contain hazardous materials.

| Qty             | Price    | Item                          | Part No.      | Total        |
|-----------------|----------|-------------------------------|---------------|--------------|
| 2 ✓             | 538.00   | PULR PUSH IDLE GEAR SUP. SHFT | ✓RB6795614 ✓  | \$ 1,076.00  |
| 2 ✓             | \$310.00 | DFT INS/REM ACC. GEAR BOX     | ✓RB6796948 ✓  | \$ 320.00    |
| 2 ✓             | \$327.00 | COMPRES MTG INSERY WRENCH     | ✓RB6872881 ✓  | \$ 654.00    |
| 1 ✓             | \$209.00 | PROPELLER SHAFT ACC DRIFT     | ✓RB6798983 ✓  | \$ 209.00    |
| 1 ✓             | \$340.00 | ADT PLT REAR COMP BRG PULLER  | ✓RB23034275 ✓ | \$ 340.00    |
| 1 ✓             | 1,479.15 | SHFT SPANNER NUT WRENCH       | ✓RB6798980 ✓  | \$ 1,479.15  |
| 2 ✓             | 340.64   | RED, GEAR FLGED STUD WRENCH   | ✓RB6872927 ✓  | \$ 681.28    |
| 1 ✓             | 503.5    | PROP. SHAFT SUPPORT FIXTURE   | ✓RB6872202 ✓  | \$ 503.50    |
| 1 ✓             | 1,519.00 | FXT-ASSBLY COMP ROTOR         | ✓RB6795594 ✓  | \$ 1,519.00  |
| 1 ✓             | 1,441.15 | WRENCH                        | ✓RB6891198 ✓  | \$ 1,441.15  |
| 2 ✓             | 894.00   | ADAPTER                       | ✓RB6795637 ✓  | \$ 1,788.00  |
| CONTINUE PAGE 2 |          |                               | TOTAL:        | \$ 10,011.08 |

(HS CODE FOR ALL ITEMS IS 8207195030)

Packaged by:  
Checked by:

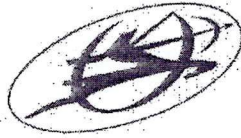
Thank You

**RECEIVED**

JUL 30 2019

**DART AEROSPACE LTD.**

MASTER AB# 8128 4801 7350



**PHGE Machineworks dba  
Arrowtech Machineworks**  
29751 E Enid Rd.  
Eugene, Oregon 97402  
Phone: (541) 780-6937  
Fax: (458) 215-4938

## COMMERCIAL INVOICE

No: 636  
Page: 2 OF 2

Date: 7/27/2019  
PO Ref: HB043785  
Ship via: FEDEX  
Customer No: 17

**SHIP TO ADDRESS:**

Dart Aerospace  
1270 Aberdeen St.  
Hawksbury, ON  
CANADA, K6A1K7  
Phone: (613) 632-5200

This shipment does **not** contain hazardous materials.

| Qty | Price    | Item                         | Part No.      | Total     |
|-----|----------|------------------------------|---------------|-----------|
| 1 ✓ | \$772.35 | REAR COMP. BEARING PUSHER    | ✓ RB6895528 ✓ | \$ 772.35 |
| 2 ✓ | \$292.00 | ACC GEAR BOX BRG INSTL DRIFT | RB6796949 ✓   | \$ 584.00 |
| 1 ✓ | \$720.10 | PROP. SHAFT BRG PULLER PLATE | ✓ RB6798986 ✓ | \$ 720.10 |
| 2 ✓ | \$353.00 | INST/REM ACC G/B BRG DRIFT   | ✓ RB6796946 ✓ | \$ 706.00 |
| 1 ✓ | \$304.00 | DUM BRG PWR TURB SHFT FRNT   | ✓ RB6795990 ✓ | \$ 304.00 |
| 1 ✓ | \$389.50 | JOINING/SEPARATING POWER     | ✓ RB6795993 ✓ | \$ 389.50 |

TOTAL \$ 3,475.95

PAGE 1 TOTAL \$ 10,011.08

PAGE 2 TOTAL \$ 3,475.95

TOTAL: \$ 13,487.03

(HS CODE FOR ALL ITEMS IS 8207195030)

Packaged by:  
Checked by:

Thank You



# DART SUPPLIER DEVIATION REQUEST



| A. Supplier Information             |                          | B. Part Information                       |                                         |
|-------------------------------------|--------------------------|-------------------------------------------|-----------------------------------------|
| Date: 7/25/19                       |                          | Part Number: All components on this PO    |                                         |
| Name: ArrowTech Machine Works       |                          | Description: Substitution Materials       |                                         |
| Contact: Gabriel Escobar            |                          | Revision: n/a                             |                                         |
| Phone #: 541-780-6938               |                          | PO Number: HB043785                       |                                         |
| Requestor Title: Production Manager |                          | Quantity of parts affected: Where Applies |                                         |
| C. Deviation Information            |                          |                                           |                                         |
| Deviation Request is:               |                          |                                           |                                         |
| Product Related                     | XX                       | 1st Time                                  | <input type="checkbox"/>                |
| Process Related                     | <input type="checkbox"/> | Repeat                                    | XX                                      |
|                                     |                          | Permenant                                 | XX                                      |
|                                     |                          | Temporary                                 | <input type="checkbox"/> Duration _____ |
| Current Requirement                 | Requested Deviation      | Reason for Deviation                      |                                         |
| Material 4130 and 4340 / 2024 alum  | 4140/4142 & 6061 alum.   | Material availability                     |                                         |
|                                     |                          |                                           |                                         |

# DART SUPPLIER DEVIATION REQUEST



| D. Corrective Action Taken                                                                                                                                            |                              | E. Preventive Action                   |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------|--------------------------|
|                                                                                                                                                                       |                              |                                        |                          |
| F. DART Approvals                                                                                                                                                     | Signature                    | Date                                   | Approve / Disapprove     |
| Purchasing                                                                                                                                                            |                              |                                        |                          |
| Engineering                                                                                                                                                           | <i>M. Lee</i>                | July 26, 2019                          | Approved                 |
| Manufacturing                                                                                                                                                         |                              |                                        |                          |
| Quality                                                                                                                                                               |                              |                                        |                          |
| Other                                                                                                                                                                 |                              |                                        |                          |
| G. Disposition (Completed by DART)                                                                                                                                    |                              |                                        |                          |
| Drawing Change Required?                                                                                                                                              | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | If Yes ECN / URF Number: |
| Supplier Corrective Action Request Required?                                                                                                                          | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | If Yes SCAR Number:      |
| Comments                                                                                                                                                              |                              |                                        |                          |
| <p>It is acceptable to use 4140/4142 in place of 4130/4340.</p> <p>It is acceptable to use 6061 in place of 2024.</p> <p>For the components listed on POHB043785.</p> |                              |                                        |                          |





**DART**  
AEROSPACE

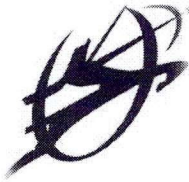
H:\forms\Quality Assurance\approved QA\Supplier Deviation Request revNC

# DART SUPPLIER DEVIATION REQUEST



| D. Corrective Action Taken                   |                              |                                        | E. Preventive Action     |  |
|----------------------------------------------|------------------------------|----------------------------------------|--------------------------|--|
|                                              |                              |                                        |                          |  |
|                                              |                              |                                        |                          |  |
| F. DART Approvals                            | Signature                    | Date                                   | Approve / Disapprove     |  |
| Purchasing                                   |                              |                                        |                          |  |
| Engineering                                  | <i>M. Lee</i>                | July 26, 2019                          | Approve                  |  |
| Manufacturing                                |                              |                                        |                          |  |
| Quality                                      |                              |                                        |                          |  |
| Other                                        |                              |                                        |                          |  |
| G. Disposition (Completed by DART)           |                              |                                        |                          |  |
| Drawing Change Required?                     | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | If Yes ECN / URF Number: |  |
| Supplier Corrective Action Request Required? | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | If Yes SCAR Number:      |  |
| Comments                                     |                              |                                        |                          |  |
| No change to fit, form or function           |                              |                                        |                          |  |





**ARROW TECH MACHINE WORKS**

## **Certificate of Conformance**

Your Purchase Order No: HB043785 ✓ Dated: 7/27/2019

Our Order / Job No: AWT-HB043785 A27 Order Qty: 2 ✓

Part Name: REDUCTION, GEAR FLANGED STUD WRENCH

Part Number RB6872927 ✓

DAS  
81  
9-89

Lot Size: N/A Ship Date: 7/27/2019

We certify that these parts shipped to you are of domestic or international manufacture and conform to all requirements of the Purchase Order. These parts have been manufactured and inspected in accordance with all required specifications, instructions and drawings. Any applicable specifications are listed below:

Drawing Number: RB6872927 Rev: 0

Material Size and Type: 4142 STEEL

Material Specifications: STEEL: ASTM A108

Heat Treatment: 38.0 – 38.0 HRC

Plating/Finish: NICKEL PLATE: .0004 - .0006

**Mercury Contamination:** The material used to process this order has not come in contact with mercury or mercury bearing instruments.

Date: 7/25/19

Signed: Henrietta L. L. L.

---

**PHGE Machine Works LLC dba Arrow Tech Machine Works**  
**29751 E. Enid Rd. Unit C Eugene, Oregon 97402**  
**Main: (541) 780-6938 | Fax: (458) 215-4938**  
**[www.atechmachineworks.com](http://www.atechmachineworks.com)**